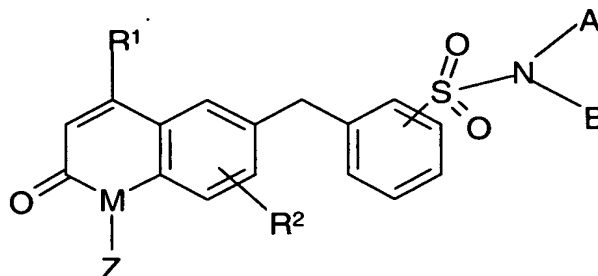


CLAIMS

5

What is claimed is:

1. A compound of the formula



in which:

10

- a. M is NZ or O;
- b. Z is represented by H or C<sub>1</sub>-C<sub>4</sub> alkyl;
- c. R<sup>1</sup> is represented by hydrogen, (C<sub>1</sub>-C<sub>2</sub>)alkyl, optionally substituted with one or more halogens, or (C<sub>1</sub>-C<sub>2</sub>)alkoxy, optionally substituted with 1 or more halogens;
- d. R<sup>2</sup> is absent, or may represent up to 2 substituents selected from the group consisting of halogen, nitrile, hydroxy, (C<sub>1</sub>-C<sub>4</sub>)alkyl, (C<sub>2</sub>-C<sub>4</sub>)alkenyl, (C<sub>2</sub>-C<sub>4</sub>)alkynyl, (C<sub>1</sub>-C<sub>4</sub>)alkoxy, (C<sub>1</sub>-C<sub>2</sub>)alkyl substituted with 1 or more halogens, (C<sub>1</sub>-C<sub>2</sub>)alkoxy substituted with one or more halogens, SR<sup>4</sup>, and NR<sup>4</sup>R<sup>5</sup>;
- e. R<sup>4</sup> is represented by hydrogen, (C<sub>1</sub>-C<sub>4</sub>)alkyl, optionally substituted phenyl, or optionally substituted benzyl;
- f. R<sup>5</sup> is represented by hydrogen, (C<sub>1</sub>-C<sub>4</sub>)alkyl, optionally substituted phenyl, optionally substituted benzyl, optionally substituted heteroaryl, or optionally substituted heterocyclic
- g. A and B are each independently represented by a substituent selected from the group consisting of hydrogen, (C<sub>1</sub>-C<sub>6</sub>)alkyl,

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- 5 (C<sub>2</sub>-C<sub>6</sub>)alkenyl, (C<sub>2</sub>-C<sub>6</sub>)alkynyl, (C<sub>1</sub>-C<sub>4</sub>)alkanol, optionally substituted (C<sub>3</sub>-C<sub>8</sub>) cycloalkyl, optionally substituted (C<sub>5</sub>-C<sub>8</sub>) cycloalkenyl, optionally substituted phenyl, optionally substituted cycloalkylphenyl, optionally substituted heterocyclic, optionally substituted heteroaryl, (C<sub>1</sub>-C<sub>6</sub>)alkylR<sup>6</sup>,  
 10 -(CH<sub>2</sub>)<sub>m</sub>-R<sup>7</sup>-Y[-CH<sub>2</sub>]<sub>n</sub>-X-R<sup>8</sup> and, -(CH<sub>2</sub>)<sub>q</sub>CHX<sup>1</sup>X<sup>2</sup>;
- h. R<sup>6</sup> is represented by a substituent selected from the group consisting of nitrile, OH, optionally substituted phenyl, optionally substituted cycloalkylphenyl, optionally substituted heterocyclic, optionally substituted heteroaryl, optionally substituted (C<sub>3</sub>-C<sub>8</sub>) cycloalkyl, optionally substituted (C<sub>5</sub>-C<sub>8</sub>) cycloalkenyl, SR<sup>4</sup>, NR<sup>4</sup>R<sup>5</sup>,  
 15
- i. R<sup>7</sup> is absent, or is represented by a substituent selected from the group consisting of optionally substituted (C<sub>3</sub>-C<sub>8</sub>) cycloalkyl, optionally substituted (C<sub>5</sub>-C<sub>8</sub>) cycloalkenyl, optionally substituted heteroaryl, optionally substituted heterocyclic, and optionally substituted phenyl,  
 20
- j. R<sup>8</sup> is absent, or is represented by a substituent selected from the group consisting of (C<sub>1</sub>-C<sub>6</sub>)alkyl, optionally substituted (C<sub>3</sub>-C<sub>8</sub>) cycloalkyl, optionally substituted (C<sub>5</sub>-C<sub>8</sub>) cycloalkenyl, optionally substituted heteroaryl, optionally substituted heterocyclic, optionally substituted phenyl, and optionally substituted cycloalkylphenyl;  
 25
- k. m is an integer selected from 0, 1, 2, 3, or 4;
- l. Y is absent, or is represented by O, C(O), C(O)O, CH<sub>2</sub>C(O)O, OH, SH, S, or NR<sup>4</sup>;  
 30
- m. n is represented by an integer selected from 0, 1, 2, 3, or 4;
- n. X is absent, or is represented by O, C(O), C(O)O, -CH<sub>2</sub>C(O)O, OH, SH, S, or NR<sup>4</sup>;
- o. q is represented by an integer selected from 0, 1, 2, 3, or 4;
- 35 p. X<sup>1</sup> is represented by a substituent selected from the group consisting of hydroxy, nitrile, (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>2</sub>-C<sub>6</sub>)alkenyl,

- 5 (C<sub>2</sub>-C<sub>6</sub>)alkynyl, (C<sub>1</sub>-C<sub>4</sub>)alkanol, (C<sub>1</sub>-C<sub>2</sub>)alkyl substituted with  
1 or more halogens, (C<sub>1</sub>-C<sub>2</sub>)alkoxy substituted with one or  
more halogens, optionally substituted (C<sub>3</sub>-C<sub>8</sub>) cycloalkyl,  
optionally substituted (C<sub>5</sub>-C<sub>8</sub>) cycloalkenyl, optionally  
substituted heteroaryl, optionally substituted heterocyclic,  
10 optionally substituted phenyl, and optionally substituted  
cycloalkylphenyl;;
- q. X<sup>2</sup> is represented by a substituent selected from the group  
consisting of (C<sub>3</sub>-C<sub>8</sub>) cycloalkyl, optionally substituted (C<sub>5</sub>-  
C<sub>8</sub>) cycloalkenyl, optionally substituted heteroaryl, optionally  
15 substituted heterocyclic, optionally substituted phenyl,  
optionally substituted cycloalkylphenyl, -CH<sub>2</sub>C(O)OR<sup>4</sup> and;  
r. the pharmaceutically acceptable salts, solvates, and prodrugs  
thereof.
- 20 2. The compound according to claim 1 in which M is NZ and Z is hydrogen.
3. The compound according to claim 2 in which R1 is -CF<sub>3</sub>.
4. A method for inhibiting activation of the androgen receptor comprising  
25 administering an effective amount of a compound according to Claim 1 to  
a patient in need thereof.
5. A method for the alleviating a condition selected from the group consisting  
of alopecia, acne, oily skin, prostate cancer, hirsutism, and benign  
30 prostate hyperplasia, comprising administering a compound according to  
Claim 1 to a patient in need thereof.
6. A pharmaceutical composition comprising a compound according to  
Claim 1 in admixture with 1, or more, pharmaceutically acceptable  
35 excipients.

- 5        7.        A topical pharmaceutical formulation comprising a compound according  
to Claim 1 in admixture with 1, or more, pharmaceutically acceptable  
excipients suitable for dermal application.
- 10       8.        An article of manufacture comprising a compound according to Claim 1  
packaged for retail distribution which advises a consumer how to utilize  
the compound to alleviate a condition selected from the group consisting  
of acne, alopecia, and oily skin.
- 15       9.        A compound according to claim 1 selected from the group consisting of:  
N-Isopropyl-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-  
ylmethyl)benzenesulfonamide;  
N-Butyl-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-  
ylmethyl)benzenesulfonamide;  
N-Benzyl-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-  
20 ylmethyl)benzenesulfonamide;  
N-Cyclohexyl-N-(2-hydroxyethyl)-4-(2-oxo-4-trifluoromethyl-1,2-  
dihydroquinolin-6-ylmethyl)benzenesulfonamide;  
N-Ethyl-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-  
ylmethyl)-N-pyridin-4-ylmethylbenzenesulfonamide;  
25 N-Butyl-N-ethyl-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-  
6-ylmethyl)benzenesulfonamide;  
N-Isopropyl-N-methyl-4-(2-oxo-4-trifluoromethyl-1,2-  
dihydroquinolin-6-ylmethyl)benzenesulfonamide;  
N-(2-Hydroxyethyl)-4-(2-oxo-4-trifluoromethyl-1,2-  
30 dihydroquinolin-6-ylmethyl)-N-propylbenzenesulfonamide;  
N-Benzyl-N-(2-hydroxyethyl)-4-(2-oxo-4-trifluoromethyl-1,2-  
dihydroquinolin-6-ylmethyl)benzenesulfonamide;  
N-Cyclopropylmethyl-4-(2-oxo-4-trifluoromethyl-1,2-  
dihydroquinolin-6-ylmethyl)-N-propylbenzenesulfonamide;  
35 N-Butyl-N-methyl-4-(2-oxo-4-trifluoromethyl-1,2-  
dihydroquinolin-6-ylmethyl)benzenesulfonamide;

- 5                    *N*-(2-Cyanoethyl)-*N*-methyl-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)benzenesulfonamide;
- N,N*-Dibenzyl-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)benzenesulfonamide;
- N,N*-Bis(2-methoxyethyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)benzenesulfonamide;
- 10                   *N*-Methyl-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-*N*-(2-pyridin-2-ylethyl)benzenesulfonamide;
- N*-Methyl-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-*N*-phenethylbenzenesulfonamide;
- 15                   *N*-(4-Ethynylphenyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)benzenesulfonamide;
- N*-(3-Cyanophenyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- N*-(3-Ethylphenyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)benzenesulfonamide;
- 20                   *N*-(2-Chlorophenyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- 4-(2-Oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-*N*-quinolin-6-ylbenzenesulfonamide;
- 25                   *N*-Indan-5-yl-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- N*-(3-Acetylphenyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)benzenesulfonamide;
- N*-(4-Methylbiphenyl-3-yl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- 30                   *N*-[3-(1-Hydroxyethyl)phenyl]-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- N*-(3-Methylsulfanylphenyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- 35                   *N*-(5-Fluoro-2-methylphenyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;

- 5                    *N*-(4-Chlorophenyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- N*-Isoquinolin-3-yl-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- 4-(2-Oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-*N*-quinolin-3-ylbenzenesulfonamide;
- 10                   4-(2-Oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-*N*-quinolin-5-ylbenzenesulfonamide;
- 4-(2-Oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-*N*-quinolin-8-ylbenzenesulfonamide;
- 15                   *N*-Isoquinolin-5-yl-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- N*-(4-Cyano-5-methylsulfanyl-2*H*-pyrazol-3-yl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- N*-(2,5-Dimethoxyphenyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- 20                   *N*-(3,5-Dimethoxyphenyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- 4-(2-Oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-*N*-(3,4,5-trifluorophenyl)-benzenesulfonamide;
- 25                   *N*-(3-Difluoromethoxyphenyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- 4-(2-Oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-*N*-(5-phenyl-2*H*-pyrazol-3-yl)-benzenesulfonamide;
- N*-(3-Oxazol-5-ylphenyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)benzenesulfonamide;
- 30                   4-(2-Oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-*N*-(3-trifluoromethylphenyl)-benzenesulfonamide;
- N*-(2-Bromophenyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- 35                   4-(2-Oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-*N*-(2-piperidin-1-ylphenyl)-benzenesulfonamide;

- 5                   4-(2-Oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-*N*-(3-trifluoromethoxyphenyl)-benzenesulfonamide;
- N*-(3-Benzylphenyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- N*-(3-Benzylloxyphenyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- 10                   *N*-Benzyl-*N*-(4-methoxyphenyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- N*-{2-[(Cyclohexylmethyl-amino)methyl]phenyl}-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- 15                   4-(2-Oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-*N*-(2,2,3,3-tetrafluoro-2,3-dihydrobenzo[1,4]dioxin-5-yl)-benzenesulfonamide;
- N*-[4-(Isopropylphenylamino)-phenyl]-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- 20                   4-(2-Oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-*N*-[4-(3-trifluoromethylpyrazol-1-yl)phenyl]-benzenesulfonamide;
- N*-(3-Methoxyphenyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- N*-(2-Hydroxyethyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- 25                   *N*-(1-Benzylpiperidin-4-yl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- N*-(2-Methoxyethyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- 30                   *N*-(3,3-Dimethylbutyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- N*-(5-Methylfuran-2-ylmethyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- 4-(2-Oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-*N*-(2-pyrrolidin-1-yl-ethyl)-benzenesulfonamide;
- 35                   4-(2-Oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-*N*-phenethylbenzenesulfonamide;

- 5                    *N*-(3-Methylbenzyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- 4-(2-Oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-*N*-(2-pyridin-2-ylethyl)-benzenesulfonamide;
- N*-(3-Imidazol-1-ylpropyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- 10                   *N*-(2-Cyclohex-1-enylethyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- N*-(2-Morpholin-4-ylethyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- 15                   *N*-(3-Dimethylamino-2,2-dimethylpropyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- N*-(1-Methyl-1-phenylethyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- 4-(2-Oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-*N*-(2-phenylpropyl)-benzenesulfonamide;
- 20                   *N*-(3-Methoxybenzyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- N*-(5-Fluoro-2-methylbenzyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- 25                   *N*-[3-(2-Oxopyrrolidin-1-yl)propyl]-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- N*-(2,6-Difluorobenzyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- 4-(2-Oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-*N*-(4-phenylbutyl)-benzenesulfonamide;
- 30                   *N*-(2-Ethoxybenzyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- N*-(3-Hydroxy-1-phenylpropyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- 35                   *N*-(2-Methylsulfanylbenzyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;



- 5                    *N*-[2-(4-Chlorophenyl)ethyl]-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- N*-[3-(4-Methylpiperazin-1-yl)propyl]-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- 10                   *N*-(5-Chloro-2-fluorobenzyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- N*-(3-Chloro-2-fluorobenzyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- N*-(2-Chloro-6-fluorobenzyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- 15                   *N*-[2-(1*H*-Indol-3-yl)ethyl]-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- N*-(3,5-Dimethoxybenzyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- N*-[2-(4-Fluorophenyl)-1,1-dimethylethyl]-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- 20                   *N*-(2-*tert*-Butylsulfanylethyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- N*-(2-Difluoromethoxybenzyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- 25                   *N*-(2-Chloro-6-fluoro-3-methylbenzyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- N*-(2,4-Dichlorobenzyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- N*-(1-Benzylpyrrolidin-3-yl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- 30                   *N*-(2-Chloro-3,6-difluorobenzyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- N*-(3-Hydroxymethyl-bicyclo[2.2.1]hept-2-yl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- 35                   [4-(2-Oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonylamino]-phenylacetic acid ethyl ester;

- 5                    *N*-(2-Fluoro-5-trifluoromethylbenzyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- 3-[4-(2-Oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonylamino]-3-phenylpropionic acid ethyl ester;
- N*-(2,2-Diphenylethyl)-4-(2-oxo-4-trifluoromethyl-1,2-
- 10                   dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- N*-(2-Benzoyloxycyclohexyl)-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- N*-[2-(2-Hydroxymethyl-phenylsulfanyl)benzyl]-4-(2-oxo-4-trifluoromethyl-1,2-dihydroquinolin-6-ylmethyl)-benzenesulfonamide;
- 15                   *N*-Cyclohexyl-*N*-(2-hydroxyethyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- N*-Methyl-*N*-(1-methylpiperidin-4-yl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;
- N,N*-Dibutyl-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-
- 20                   ylmethyl)benzenesulfonamide;
- N*-Ethyl-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-*N*-pyridin-4-ylmethyl-benzenesulfonamide;
- N*-Butyl-*N*-ethyl-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- 25                   *N*-Butyl-*N*-(2-hydroxyethyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;
- N*-Isopropyl-*N*-methyl-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;
- N*-(2-Hydroxyethyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-
- 30                   ylmethyl)-*N*-propylbenzenesulfonamide;
- N*-Benzyl-*N*-(2-hydroxyethyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;
- N*-Cyclopropylmethyl-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-*N*-propylbenzenesulfonamide;
- 35                   *N*-(2-Hydroxyethyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-*N*-pentylbenzenesulfonamide;

- 5                    *N*-Cyclohexyl-*N*-methyl-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;
- N*-Butyl-*N*-methyl-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- N*-(2-Cyanoethyl)-*N*-methyl-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;
- 10                   *N,N*-Dibenzyl-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- N*-Benzyl-*N*-ethyl-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- 15                   *N*-Methyl-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-*N*-(2-pyridin-2-ylethyl)benzenesulfonamide;
- N*-Methyl-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-*N*-phenethyl-benzenesulfonamide;
- 4-(2-Oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-*N*-phenylbenzenesulfonamide;
- 20                   *N*-Methyl-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-*N*-phenylbenzenesulfonamide;
- 4-(2-Oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-*N-m*-tolylbenzenesulfonamide;
- 25                   4-(2-Oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-*N-p*-tolylbenzenesulfonamide;
- N*-(4-Fluorophenyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide
- N*-(4-Ethynylphenyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;
- 30                   *N*-(3-Ethylphenyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;
- N*-(4-Ethylphenyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;
- 35                   *N*-(2-Hydroxymethylphenyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;

- 5                    *N*-(3-Hydroxymethylphenyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;
- N*-(2-Methoxyphenyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;
- N*-(4-Hydroxymethylphenyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;
- 10                   4-(2-Oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-*N*-quinolin-6-ylbenzenesulfonamide;
- N*-(4-Cyanomethylphenyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;
- 15                   *N*-Indan-5-yl-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- N*-Indan-4-yl-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- N*-(3-Acetylphenyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- 20                   *N*-(4-Isopropylphenyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;
- N*-Benzo[1,3]dioxol-5-yl-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;
- 25                   *N*-(4-Methylbiphenyl-3-yl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;
- N*-[3-(1-Hydroxyethyl)phenyl]-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;
- N*-(3-Methylsulfanylphenyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;
- 30                   *N*-(4-Chlorophenyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- N*-Isoquinolin-3-yl-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- 35                   4-(2-Oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-*N*-quinolin-8-ylbenzenesulfonamide;

- 5                    *N*-(4-Cyano-5-methylsulfanyl-2*H*-pyrazol-3-yl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- N*-(2-Methylquinolin-6-yl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;
- N*-(2,5-Dimethoxyphenyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;
- 10                   *N*-(3,5-Dimethoxyphenyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;
- N*-(3-Isopropoxyphenyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;
- 15                   *N*-(3-Difluoromethoxyphenyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;
- N*-(3-Oxazol-5-ylphenyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;
- 4-(2-Oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-*N*-(3-trifluoromethylphenyl)-benzenesulfonamide;
- 20                   4-(2-Oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-*N*-(2-piperidin-1-ylphenyl)-benzenesulfonamide;
- 4-(2-Oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-*N*-(3-trifluoromethoxyphenyl)-benzenesulfonamide;
- 25                   {4-[4-(2-Oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonylamino]-phenyl}acetic acid ethyl ester;
- N*-(3-Benzylphenyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- N*-(4-Ethoxyphenyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;
- 30                   *N*-[4-(2-Hydroxyethyl)phenyl]-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;
- N*-(3-Benzylloxyphenyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;
- 35                   *N*-(3,5-Di-*tert*-butylphenyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;

- 5                    *N*-Benzyl-*N*-(4-methoxyphenyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- 4-(2-Oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-*N*-[4-(3-trifluoromethylpyrazol-1-yl)phenyl]benzenesulfonamide;
- N*-(3-Methoxyphenyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzene-sulfonamide;
- 10                   *N*-(1-Benzylpiperidin-4-yl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- N*-Cyclopentyl-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- 15                   *N*-(3-Methylbutyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- N*-(2,3-Dihydroxypropyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- N*-(3,3-Dimethylbutyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- 20                   *N*-Benzyl-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- 4-(2-Oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-*N*-pyridin-3-ylmethylbenzenesulfonamide;
- 25                   *N*-(5-Methylfuran-2-ylmethyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- N*-Cyclohexylmethyl-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzene-sulfonamide;
- N*-Cycloheptyl-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- 30                   *N*-(1-Hydroxymethyl-cyclopentyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- 4-(2-Oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-*N*-phenethylbenzenesulfonamide;
- 35                   *N*-(3-Methylbenzyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;

- 5                    *N*-(4-Methylbenzyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- N*-(2-Methylbenzyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- 4-(2-Oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-*N*-(1-phenylethyl)-benzenesulfonamide;
- 10                   *N*-(4-Fluorobenzyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- N*-(3-Imidazol-1-ylpropyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- 15                   *N*-(2-Cyclohex-1-enylethyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- 4-(2-Oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-*N*-(2-thiophen-2-ylethyl)benzenesulfonamide;
- N*-(2-Hydroxycyclohexylmethyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- 20                   *N*-Indan-1-yl-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- N*-(1-Methyl-1-phenylethyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- 25                   4-(2-Oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-*N*-(2-phenylpropyl)-benzenesulfonamide;
- 4-(2-Oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-*N*-(2-phenoxyethyl)-benzenesulfonamide;
- N*-(4-Methoxybenzyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;
- 30                   *N*-(3-Methoxybenzyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;
- N*-(2-Hydroxy-1-phenylethyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;
- 35                   *N*-(5-Fluoro-2-methylbenzyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonamide;

- 5                    *N*-(3-Chlorobenzyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- N*-[3-(2-Oxopyrrolidin-1-yl)propyl]-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- N*-(2,6-Difluorobenzyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- 10                   *N*-(2,3-Dihydrobenzofuran-5-ylmethyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- N*-[2-(2-Methoxyphenyl)ethyl]-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- 15                   *N*-(2-Ethoxybenzyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- N*-(3-Hydroxy-1-phenylpropyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- N*-(4-Hydroxycyclohexyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- 20                   *N*-(2-Methylsulfanylbenzyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- N*-[2-(4-Chlorophenyl)ethyl]-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- 25                   *N*-(2-Chloro-6-methylbenzyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- N*-(2,3-Difluoro-4-methylbenzyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- N*-(2-Chloro-4-fluorobenzyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- 30                   *N*-(2-Difluoromethoxybenzyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- N*-(2-Chloro-6-fluoro-3-methylbenzyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- 35                   4-(2-Oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-*N*-(2-trifluoromethylbenzyl)-benzenesulfonamide;



- 5                    *N*-(2-Chloro-3,6-difluorobenzyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- N*-(2-Bromobenzyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- N*-(2-Fluoro-5-trifluoromethylbenzyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzene-sulfonamide;
- 10                    3-[4-(2-Oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)-benzenesulfonylamino]-3-phenylpropionic acid ethyl ester;
- N*-(2,2-Diphenylethyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzene-sulfonamide;
- 15                    *N*-(4-Bromo-2-fluorobenzyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide;
- N*-(2-Benzyloxycyclohexyl)-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide; and
- N*-[2-(2-Chloro-6-fluorobenzylsulfanyl)ethyl]-4-(2-oxo-4-trifluoromethyl-2*H*-chromen-6-ylmethyl)benzenesulfonamide.
- 20